

MATERIAL SAFETY DATA SHEET

For chemicals, coatings and related materials

DATE :	SUPERSEDES	PREPARED BY:
July 18, 1995	April 12, 1994	Mark Horton, (612) 496-6027
Manufacturer		
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Distributor		
NAME: ADDRESS: ADDRESS: ADDRESS: ADDRESS: PHONE:		

Section I - Product	
NUMBER: 79-150, 151, -152 NAME: Formica® Kitchen and Bath Caulk [all colors] CLASS : Caulk CAS NUMBER: none - mix	H M I S Hazard Codes Health: 1 Slight Flammability: 1 Slight Reactivity: 0 Minimal Personal Protective Equipment: B

Section II - Hazardous Ingredients				
Ingredient: Material Description	Percent by Weight	C.A.S. Registry Number	LEL	Vapor Pressure (mm Hg at 20 deg C)
Calcium carbonate	30-60	471-34-1	None	None
Silica quartz	1-3	14808-60-7	None	None
Buryl Benzyl phthalate	5-15	85-68-7	2.5	< < 1
No ingredients reportable under SARA Title 313, Section III				

Section III - Physical Data			
Boiling Range:	> 200 deg F	Freezing Point:	N/A
Vapor Pressure:	16-18 mm Hg at 77 deg F	Vapor Density:	Heavier than air
Specific Gravity:	1.4-1.7	H2O Soluble:	Somewhat [10-99%]
Evaporation Rate (relative to n-butyl acetate)	Slower	% Volatile by Volume:	15-45
pH:	Slightly alkaline	Odor Threshold:	no data
Appearance and Odor:	viscous paste		sweet latex odor.

Section IV - Fire and Explosion Hazard Data			
FLASH POINT: (Method Used)	> 200 deg F [Setaflash]	EXPLOSIVE LIMITS: LEL	2.0
		(%V in air) UEL	7.0
AUTOIGNITION TEMP:	no data	METHOD:	N/A
OSHA FLAMMABILITY CLASSIFICATION		Combustible Class III B	

Section IV - Fire and Explosion Hazard Data

EXTINGUISHING MEDIA:	Water Spray (Fog), Foam, Dry Chemical or Carbon Dioxide.		
SPECIAL FIRE FIGHTING PROCEDURES	Fire Fighters must wear self contained breathing apparatus or air masks.	Containers exposed to fire should be kept cool with water spray.	A water stream directed into the fire may cause frothing with subsequent spread of fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Closed containers may explode due to build up of pressure when exposed to heat.	Thermal decomposition or combustion of product may generate irritating and/or toxic gases.	Some vapor is heavier than air and may travel along the ground or floor and be ignited at locations distant from the source.

Section V - Toxicological Information

Ingredient Material Description	PEL [mg/m3]	TLV STEL [mg/m3]	TLV[rwa]		LD50 [mg/kg]		LC50 [ppm] Rat INHAL
			mg/m3	ppm	RAT [oral]	RABBIT [dermal]	
Calcium carbonate	15	Not listed	10	N/A	N/A	N/A	N/A
Silica quartz	.1	Not listed	.1	N/A	N/A	N/A	N/A
Butyl Benzyl phthalate	Not listed***	Not listed	Not listed***	Not listed	2330	10,000	No data
* Total dust ** Respirable dust *** United Kingdom sets PEL of 5 mg/cu M.							

Section VI - Health Hazard Data and Emergency/first Aid Procedures

THRESHOLD LIMIT VALUES: See Section V	
ACUTE OVEREXPOSURE INFORMATION	
EYES:	Slight irritant. May cause reversible corneal injury.
SKIN:	Slight irritant. May cause dermatitis and allergic responses.
INHALATION:	Avoid inhaling. May cause irritation of respiratory tract.
INGESTION:	May cause irritation if swallowed.
NOTE: Preexisting respiratory or skin condition(s) may be aggravated by exposure.	
CHRONIC OVEREXPOSURE INFORMATION:	
1) This product does not contain dust as produced and does not generate dust in normal use. Dust generated by abnormal activities, such as sanding or grinding, could contain a trace amount of free, respirable silicon dioxide [quartz]. NTP and IARC have listed free respirable silicon dioxide [quartz] as a suspect human carcinogen. Prolonged and/or repeated overexposure to free respirable silica may cause silicosis or other delayed and serious lung injury. Product could also contain trace amounts [<2 ppm] of formaldehyde. IARC, NTP, and OSHA list formaldehyde as a suspect carcinogen.	
2) No other known components of this product are listed as known or suspected carcinogens per NTP, IARC, or OSHA.	
3) This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents [a process often called "sniffing"] may be harmful or fatal.	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Any pre-existing respiratory or skin condition.	
EMERGENCY AND FIRST AID PROCEDURES:	
EYES:	Flush the eyes with plenty of water for at least 15 minutes. If necessary, gently hold the eyelids open during the flush. Obtain immediate medical attention.
SKIN:	Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention.

Section VI - Health Hazard Data and Emergency/first Aid Procedures

INHALATION:	Move the victim into fresh air. If the victim has difficulty breathing, administer oxygen. Administer artificial respiration if the victim is not breathing. Obtain immediate medical attention.
INGESTION:	Obtain immediate medical attention. Do not induce vomiting. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs.

Section VII - Reactivity Data

STABILITY:	Stable
STABILITY CONDITIONS TO AVOID:	None
INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH):	Strong bases or acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	fumes, smoke.
HAZARDOUS POLYMERIZATION:	None.

Section VII - Spill or Leak Procedures

STEPS FOR MATERIAL SPILLAGE:

Ventilate area and remove all sources of ignition. Evacuate unnecessary personnel. Wipe up small spills with rags or towels. Put spent rags or towels in loosely covered metal containers in a well-ventilated area. Large spills should be handled carefully. Put on respiratory protection. Dike or impound spilled liquid. Cover the spill with absorbent compound. Sweep or shovel into containers. Cover loosely and remove to a well-ventilated waste area. Repeat sorbent-sweep cycle until the spill has dried up. Keep the spilled chemical out of the sewers. Do not discharge the product or cleanup wastes to lakes, streams, ponds, or sewer. Avoid contact with eyes and skin. Report the spill to appropriate authorities.

WASTE DISPOSAL METHODS:

Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures. Do not incinerate closed containers.

Section IX - Special Protection Information

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.

VENTILATION: Use local exhaust [e.g., open windows, fans] as needed to keep vapor/dust levels below recommended limits.

PROTECTIVE EQUIPMENT: wear chemically resistant gloves [Natural rubber, supported PVA, neoprene, nitrile], eye goggles, and clean protective clothing to cover arms and legs and keep exposure to a minimum.

Section X - Special Precautions

HANDLING AND STORAGE PRECAUTIONS

DO NOT TAKE INTERNALLY	KEEP AWAY FROM EXTREME HEAT AND OPEN FLAMES
AVOID CONTACT WITH EYES, CLOTHING, AND SKIN	AVOID BREATHING VAPORS, ESPECIALLY THOSE IN THE TOP OF THE SHIPPING CONTAINER.
KEEP CONTAINER CLOSED WHEN NOT IN USE	
KEEP OUT OF REACH OF CHILDREN	USE WITH ADEQUATE VENTILATION

Section XI - Regulatory Data

VOC CONTENT: 33.8 g/L or 0.28 lbs/gal less water and exempt solvents.

CALIFORNIA PROPOSITION 65:

This product contains materials listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

TRANSPORTATION

	DOT	UN
HAZARD CLASS:	Not Regulated	Not Regulated
UN/NA NUMBER:	Not Regulated	Not Regulated
SHIPPING NAME:	Not Regulated	Not Regulated

Section XI - Regulatory Data

PLACARD AT	N/A	N/A
CLASS NUMBER:	N/A	AIR: N/A MARINE: N/A
SUBSID. RISK :	N/A	AIR: N/A MARINE: N/A
PACKING GROUP:	N/A	AIR: N/A MARINE: N/A
REPORTING		
CERCLA REPORTABLE QUANTITY: 1333 lbs. AS WASTE: None		
SARA SECTION 304 EMERGENCY RESPONSE REPORTABLE QUANTITY: 1333 lbs		
SARA SECTION 311/312 INVENTORY REPORTING (Y/N): Y		
SARA SECTION 311/312 HAZARD CLASS(ES): Acute and chronic health hazard.		
SARA SECTION 313 ROUTINE RELEASE REPORTING CHEMICALS: None		
COMPONENTS ON TSCA INVENTORY (Y/N): Y		
DISPOSAL		
EPA RCRA WASTE CLASS: N/A		
EPA RCRA WASTE NUMBER: N/A		
CALIFORNIA LIST LAND BAN (Y/N): N/A		

ABBREVIATIONS USED:

N/A = Information or data Not Available , NTP = National Toxicology Program,
IARC = International Agency for Research on Cancer, NIOSH = National Institute of Occupational Safety and Health,
ACGIH = American Conference of Governmental Industrial Hygienists, OSHA = Occupational Safety and Health Administration,
PEL = Permissible Exposure Limit (8-hr. TWA) (OSHA), TLV = Threshold Limit Value (8-hr. TWA) (ACGIH),
STEL = Short Term Exposure Limit (15-min TWA) (OSHA) . C = Ceiling Value.

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REASON FOR REVISION: Update SARA 313